

Faculty Profile

Mr D Shibin, M.Tech.,(Ph.D)

Assistant Professor,

Department of Computer Science and Engineering

shibin@karunya.edu



Academic Background

Degree	University	Year
Ph.D	Karunya Institute of Technology and Sciences (Deemed University)	Pursuing
M.E	Karunya University	2013
B.E	Karunya University	2011

Courses Taught

- Cryptography and Network Security
- Unix Architecture
- Artificial Intelligence
- Operating System

Research Interests

- Information Security
- Security in mobile wallets
- Recent trends in AI
- Block chain technologies

Most recent Publications

- Shibin D, Jasper W Kathrine, "Digital signature Algorithm for m-payment applications using arithmetic encoding and factorization algorithm", Journal of Cases in Information Technology, vol.23, issue 3, November 2020 (SCOPUS & ESCI).

- R S Anand, Shibin D, "A prognostic analysis on experimental evaluation of thermosyphon using refrigerant R134a and water based on machine learning and optimization techniques", Heat and Mass Transfer, 2020 (SCI & Impact factor: 1.8).
- Shibin D., Andrew, J, Basil Xavier, Isaac Joel Raj, Eunice, R.J. "Improving Scalability and Balancing the Network Load Using Adaptive Multiparent Crossover Method in Wireless Sensor Networks", Journal of Computational and Theoretical Nanoscience, vol.17, Issue 5, pp.2417-2422, 2020 (SCOPUS).
- Shibin D, Jaspheer W Kathrine, "An investigative report on encryption based security mechanisms for e-wallets", International Journal of Scientific Technology and Research, Vol.8, Issue.10, pp.1755-1769, 2020 (SCOPUS).

Projects Guided

- Proving the correctness of a hybrid security protocol in mobile wallets
- Augmenting security of mobile payment applications using block chain
- K-Energy conservation using Android application
- Cloud based bus-pass system using biometrics

Memberships in Professional societies (NIL)

-
-

Significant achievements:

- Gold Medalist in B.Tech (Information Technology) from Karunya University
- Oracle Certified Associate
- CISCO Certified Cyber Security Professional
- Received a reward of 800 USD for the Best Paper publication in the Journal of Artificial Intelligence and Systems.
- Published more than 20 research articles in reputed journals indexed in SCOPUS, Web of Science, and SCI within a span of 5 academic years.
- Reviewer in Journal of Computer Science, Indian Journal of Science and Technology
- Edited a book volume titled "Security Issues, Privacy Concerns in Industry 4.0" to be published by Wiley-Scrivener Publishers.